

ABSTRACT

A novel multi-layer stretch film comprising at least 7 layers and having excellent mechanical properties and stretch film performance, comprising two outer, or skin layers that have moderate to high controlled cling and low blocking characteristics, and at least five internal layers to assist in producing mechanical strength and stretchability. The resins used in the film composition include polypropylene (PP), ethylene propylene copolymers, low density polyethylene (LDPE), linear low density polyethylene (LLDPE), medium density polyethylene (MDPE), high density polyethylene (HDPE), metallocene-catalyzed polyethylene (mPE), very low density polyethylene (VLDPE), and/or ultralow density polyethylene (ULDPE). The resins also may be blended to achieve a desired range of physical or mechanical properties of the final film product.